

**CLAIMS**

1. Digital sealer apparatus for electronic documents signature, characterized by comprehending:
- 5 fingerprint reader;
  - smart card reader;
  - digital signature generator;
  - communication interface;
  - RISC processor;
  - RAM memory;
  - 10 non-volatile memory
  - noise generator
  - digital display
  - multifunctional keyboard
2. Secure application programming interface for access to a digital sealer apparatus, characterized by
- 15 comprehending:
- a secure interface for cryptographic recording of the sealer device keys;
  - a secure interface for signatures validation of
  - 20 the sealer device; and
  - an area of the sealer device containing the encrypted keys.
3. Electronic method for fingerprint enrollment using a digital sealer apparatus, characterized by
- 25 comprehending the following steps:
- user's data capture;
  - public and private key generation in the digital sealer apparatus;
  - collection of fingerprint in the digital sealer
  - 30 apparatus;
  - generation of template in the digital sealer apparatus;

generation of a password in the digital sealer apparatus;

recording of the password in the smart card;  
recording of the template in the smart card; and  
5 recording of public and private key in the smart card.

4. Electronic method for digitally signing documents from a positive identification of a user, characterized by comprehending the following steps:

10 transmission of microcomputer's document to a sealer device;  
collection of user's fingerprint;  
generation of a template;  
readout of opening password of the smart card;  
15 readout of the template from a smart card;  
comparison of these two templates;  
generation of the digital signature; and  
transmission of the signed document to the microcomputer.